
First Hit Clear Generate C	ollection Print Fwi	d Refs B	kwd Refs	
Search Resu	ilts - Record(s) 1 through 2 of	£2 returned.		
☐ 1. Document ID: US 2005	60099179 A1			
Using default format because multip	ole data bases are involved.			
L75: Entry 1 of 2	File: PGPB		May 12, 2005	1
PGPUB-DOCUMENT-NUMBER: 20050099 PGPUB-FILING-TYPE: new	179			
DOCUMENT-IDENTIFIER: US 2005009	9179 A1			
TITLE: Parallel imaging compati	ble <u>birdcage</u> resonator			
PUBLICATION-DATE: May 12, 2005				
INVENTOR-INFORMATION:				
NAME	CITY	STATE	COUNTRY	
Monski, William J. JR.	Sewickley	PA	US	
Alradady, Fahad	Glenshaw	PA	US	
Misic, George J.	Allison Park	PA	US	
US-CL-CURRENT: <u>324</u> / <u>318</u>				
Full Title Citation Front Review C	lassification Date Reference Secipl	ances Attachmer	its Claims IVIC Disc	
		••••	•	
☐ 2. Document ID: US 200	50099179 A1			
L75: Entry 2 of 2	File: DWPI		May 12, 2005	
DERWENT-ACC-NO: 2005-394254 DERWENT-WEEK: 200540 COPYRIGHT 2005 DERWENT INFORMAT	ION LTD			
TITLE: Head coil for use with me has rods to interconnect large structure and partially overlap	and small <u>diameter</u> ring	s to form b		
Full Title Citation Front Review C	Assiiloation Rate Reterences		Glaims 1990C bizi	A C

BIRDCAGE	879
BIRDCAGES	56
"BIRD CAGE"	0
BIRD-CAGE	210
BIRD-CAGES	13
UNITARY	289698
UNITARIES	6
UNITARYS	3
SINGLE	3662930
SINGLES	3524
(L74 AND ((BIRDCAGE OR "BIRD CAGE" OR BIRD- CAGE OR ((UNITARY OR SINGLE) WITH (STRUCTURE))) WITH ((PRIMARY OR SECONDARY OR FIRST OR SECOND) WITH (RESONAN\$2)) WITH (SHAR\$3 OR CONNECT\$4 OR MUTUAL\$2 OR COMMON OR "SAME" OR PARTIAL\$2 OR PORTION) WITH (OVERLAP\$4 OR OVER- LAP\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

There are more results than shown above. Click here to view the entire set.

Display Format: - Change Format

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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L76: Entry 1 of 2

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME PΑ US Monski, William J. JR. Sewickley Alradady, Fahad Glenshaw PAUS Misic, George J. Allison Park PΑ US

US-CL-CURRENT: 324/318

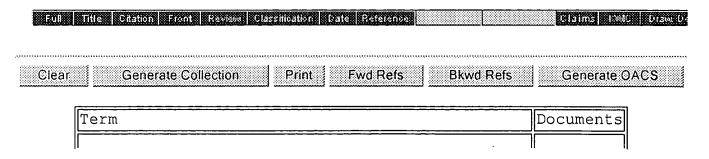
Full Title Citation Front	Review Classification Cate	Reference Sequences 4	Attachments Claims (1900) Draw D
***************************************	***************************************	***************************************	-
☐ 2. Document ID:	US 20050099179 A1		
L76: Entry 2 of 2	File:	DWPI	May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

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TITLE: Head coil for use with $\underline{\text{magnetic resonance}}$ imaging and spectroscopy system, has rods to interconnect large and small diameter rings to form $\underline{\text{birdcage}}$ like structure and partially overlapped primary resonant substructures



Record List Display Page 2 of 2

DIFFERENT	4704970
DIFFERENTS	287
SEPARATE	2774836
SEPARATES	327590
INDIVIDUAL	1897006
INDIVIDUALS	160375
DIAMETER	2534281
DIA	355170
DIAMETERS	403165
DIAM	51175
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There are more results than shown above. Click here to view the entire set.

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First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

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Search Results - Record(s) 1 through 1 of 1 returned.

☑ 1. Document ID: US 6714013 B2

Using default format because multiple data bases are involved.

L69: Entry 1 of 1

File: USPT

Mar 30, 2004

US-PAT-NO: 6714013

DOCUMENT-IDENTIFIER: US 6714013 B2

** See image for Certificate of Correction **

TITLE: Magnetic resonance imaging receiver/transmitter coils

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Misic; George J. Allison Park PA

US-CL-CURRENT: <u>324/318</u>; <u>324/322</u>

Generate Collection Print Fwd Refs Bkwd Refs	Generate (
Term	Documents
PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
FIRSTS	952
SECOND	6386113
SECONDS	604573
PARALLEL	3347493
PARALLELS	18066
CHANNEL	1636110

SECOND) WITH (RESONAN\$2)) WITH (SEPARAT\$4 OR PARALLEL OR INDIVIDUAL\$2 OR INDEPENDENT\$2) WITH (CHANNEL OR PORT OR RECEIVER))).PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.

There are more results than shown above. Click here to view the entire set.

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First Hit Clear Generate Coll	ection Print Fwd	Refs B	kwd Refs
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Search Result	s - Record(s) 1 through 2 of 2	2 returned.	
□ 1. Document ID: US 20050	000170 A1		
Using default format because multiple			
L71: Entry 1 of 2	File: PGPB		May 12, 2005
PGPUB-DOCUMENT-NUMBER: 200500991 PGPUB-FILING-TYPE: new			
DOCUMENT-IDENTIFIER: US 20050099	179 A1		
TITLE: Parallel imaging compatib	le <u>birdcage</u> resonator		
PUBLICATION-DATE: May 12, 2005			
INVENTOR-INFORMATION:			
NAME	CITY	STATE	COUNTRY
Monski, William J. JR.	Sewickley	PA	US
Alradady, Fahad	Glenshaw	PA	US
Misic, George J.	Allison Park	PA	US
US-CL-CURRENT: <u>324</u> / <u>318</u>			
Full Title Citation Front Review Clas	sification Date Reference Sequen	ses Attachmer	its Claims (1980 - Braw B

☐ 2. Document ID: US 2005	0099179 A1		
L71: Entry 2 of 2	File: DWPI		May 12, 2005
DERWENT-ACC-NO: 2005-394254 DERWENT-WEEK: 200540 COPYRIGHT 2005 DERWENT INFORMATION	ON LTD		
		1	

TITLE: Head coil for use with $\underline{\text{magnetic resonance}}$ imaging and spectroscopy system, has $\underline{\text{rods to interconnect}}$ large and small diameter $\underline{\text{rings}}$ to form $\underline{\text{birdcage}}$ like

structure and partially overlapped primary resonant substructures

Full	tte Citation Front Review Classification Cate Reference	Claims DMC Draw D
Clear	Generate Collection Print Fwd Refs Bkwd Refs	Generate OACS
	Term	Documents
ľ		

2

PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
FIRSTS	952
SECOND	6386113
SECONDS	604573
RING	2357327
RINGS	661157
(L67 AND (((PRIMARY OR SECONDARY OR FIRST OR SECOND) WITH (RESONAN\$2)) WITH (RING OR LOOP	

There are more results than shown above. Click here to view the entire set.

OR ANULUS OR ANULAR\$2 OR "END" OR "MEMBER")

SEGMENT))).PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.

WITH (ROD OR LEG OR CONDUCT\$2 OR

Display Format:	_	Change Format
Display Format.	£	

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L72: Entry 1 of 3

File: PGPB

May 12, 2005

Jul 30, 2002

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME Sewickley US Monski, William J. JR. PΑ Alradady, Fahad Glenshaw PAUS Allison Park US Misic, George J. PA

US-CL-CURRENT: 324/318

Full Titl	e Citation Front Review Classification Cate Reference Sequences Attachments Diaims DMC Craw Co
□ 2.	Document ID: US 6426624 B1

File: USPT

US-PAT-NO: 6426624

L72: Entry 2 of 3

DOCUMENT-IDENTIFIER: US 6426624 B1

TITLE: Assembly formed by a magnetic resonance apparatus and a combination of coils

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Snelten; Jeroen Eindhoven NL

US-CL-CURRENT: 324/318; 324/309, 324/322

Full Title Citation Front Review Classification Cate Reference Claims (2010) Draw 0.

☐ 3. Document ID: US 20050099179 A1

L72: Entry 3 of 3

File: DWPI

May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

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TITLE: Head coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has \underline{rods} to interconnect large and small diameter \underline{rings} to form $\underline{birdcage}$ like structure and partially overlapped $\underline{primary\ resonant}$ substructures

Generate Collection Print Fwd Refs Bkwd Re	fs Generate
Term	Documents
PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
FIRSTS	952
SECOND	6386113
SECONDS	604573
RING	2357327
RINGS	661157
(L64 AND (((PRIMARY OR SECONDARY OR FIRST OF SECOND) WITH (RESONAN\$2)) WITH (RING OR LOOF ANULUS OR ANULAR\$2 OR "END" OR "MEMBER") WITH (ROD OR LEG OR CONDUCT\$2 OR SEGMENT))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDF	3

Display Format: - Change Format

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L61: Entry 1 of 3

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

COUNTRY CITY STATE NAME Monski, William J. JR. Sewickley PA US Glenshaw US Alradady, Fahad PAMisic, George J. Allison Park PA US

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims (2000) Draw	Œ

☐ 2. Document ID: US 6426624 B1

L61: Entry 2 of 3

File: USPT

Jul 30, 2002

US-PAT-NO: 6426624

DOCUMENT-IDENTIFIER: US 6426624 B1

TITLE: Assembly formed by a magnetic resonance apparatus and a combination of coils

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Snelten; Jeroen Eindhoven NL

US-CL-CURRENT: <u>324/318</u>; <u>324/309</u>, <u>324/322</u>

FULL Title Chation Front Reviews Classification Gate Reference Claims MAC Grave U

☐ 3. Document ID: US 20050099179 A1

L61: Entry 3 of 3

File: DWPI

May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

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TITLE: Head coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has <u>rods</u> to interconnect large and small diameter <u>rings</u> to form birdcage like structure and <u>partially overlapped primary resonant</u> substructures

Term	Documents
PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
FIRSTS	952
SECOND	6386113
SECONDS	604573
ADJACENT	3458566
ADJACENTS	285
(L55 AND (((PRIMARY OR SECONDARY OR FIRST OR SECOND) WITH (RESONAN\$2)) WITH (NEIGHBOR\$4 OR "ADJACENT" OR "NEXT" OR "REGION" OR AREA OR	
VOLUME) WITH (SHAR\$3 OR CONNECT\$4 OR MUTUAL\$2 OR COMMON OR "SAME" OR PARTIAL\$2 OR PORTION) WITH (OVERLAP\$4 OR OVER-LAP\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L65: Entry 1 of 4

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible <u>birdcage</u> resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY
Monski, William J. JR. Sewickley PA US
Alradady, Fahad Glenshaw PA US

Allison Park PA US

Allison Park PA US

US-CL-CURRENT: 324/318

Full Title Citation Frant Review Classification Date Reference Sequences Attachments	Claims (WAC Errays De

☐ 2. Document ID: US 6714013 B2

L65: Entry 2 of 4 File: USPT

e: USPT Mar 30, 2004

US-PAT-NO: 6714013

DOCUMENT-IDENTIFIER: US 6714013 B2

** See image for <u>Certificate of Correction</u> **

TITLE: Magnetic resonance imaging receiver/transmitter coils

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Misic; George J. Allison Park PA

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Cate Reference Classification Classification

☐ 3. Document ID: US 5664568 A

L65: Entry 3 of 4

File: USPT

Sep 9, 1997

US-PAT-NO: 5664568

DOCUMENT-IDENTIFIER: US 5664568 A

TITLE: Split-top, neck and head vascular array for magnetic resonance imaging

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Srinivasan; Ravi

Richmond Hts.

OH

Henderson; Robert G.

Wickliffe

OH

Elek; Robert A.

Chardon

OH

US-CL-CURRENT: 600/422; 324/318, 324/322

Full Title Citation Front Review	Classification Date Reference	Claims KWR Prays Da
☐ 4. Document ID: US 20	0050099179 A1	
L65: Entry 4 of 4	File: DWPI	May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

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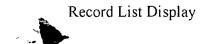
TITLE: Head coil for use with $\underline{\text{magnetic resonance}}$ imaging and spectroscopy system, has $\underline{\text{rods to interconnect}}$ large and small diameter $\underline{\text{rings}}$ to form $\underline{\text{birdcage}}$ like structure and partially overlapped primary resonant substructures

Generate Collection Print Fwd R	efs Bkwd Refs Generate
Term	Documents
RING	2357327
RINGS	661157
LOOP	854637
LOOPS	269514

ENDS	3575264
MEMBER	3807377
MEMBERS	2169110
(L64 AND ((CONNECT\$4 OR INTERCONNECT\$4 OR INTER-CONNECT\$4 OR LINK\$3 OR BRIDG\$3 OR JOIN\$3) WITH (RING OR LOOP OR ANULUS OR ANULAR\$2 OR "END" OR "MEMBER") WITH (ROD OR LEG OR CONDUCT\$2 OR SEGMENT))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4

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First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L68: Entry 1 of 3

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible <u>birdcage</u> resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Monski, William J. JR. Sewickley PA US
Alradady, Fahad Glenshaw PA US
Misic, George J. Allison Park PA US

US-CL-CURRENT: 324/318

Full | Title | Citation | Front | Review | Classification | Cate | Reference | Sequences | Attachments | Claims | 1990 | Crast De

☐ 2. Document ID: US 6714013 B2

L68: Entry 2 of 3 File: USPT

Mar 30, 2004

US-PAT-NO: 6714013

DOCUMENT-IDENTIFIER: US 6714013 B2

** See image for <u>Certificate of Correction</u> **

TITLE: Magnetic resonance imaging receiver/transmitter coils

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Misic; George J. Allison Park PA

US-CL-CURRENT: 324/318; 324/322

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☐ 3. Document ID: US 5664568 A

L68: Entry 3 of 3

File: USPT

Sep 9, 1997

US-PAT-NO: 5664568

DOCUMENT-IDENTIFIER: US 5664568 A

TITLE: Split-top, neck and head vascular array for magnetic resonance imaging

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Hts. OH Henderson; Robert G. Wickliffe OH Elek; Robert A. Chardon OH

US-CL-CURRENT: 600/422; 324/318, 324/322

Generate Collection Print Fwd Refs Bkwd Refs	Generate C
Term	Documents
PARALLEL	3347493
PARALLELS	18066
CHANNEL	1636110
CHANNELS	807745
PORT	1311657
PORTS	549324
RECEIVER	812651
RECEIVERS	177691
SEPARAT\$4	0
SEPARAT	25362
SEPARATA	417
(L67 AND ((SEPARAT\$4 OR PARALLEL OR INDIVIDUALS OR INDEPENDENT\$2) WITH (CHANNEL OR PORT OR RECEIVER))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBI	3

Display Format: - Change Format

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L59: Entry 1 of 5

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

STATE COUNTRY CITY NAME Sewickley PΑ US Monski, William J. JR. Alradady, Fahad Glenshaw PΑ US Allison Park US Misic, George J. PΑ

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims FMIC I	Disky D.

☐ 2. Document ID: US 5680047 A

L59: Entry 2 of 5 File: USPT

Oct 21, 1997

US-PAT-NO: 5680047

DOCUMENT-IDENTIFIER: US 5680047 A

TITLE: Multipl-tuned radio frequency coil for simultaneous magnetic resonance

imaging and spectroscopy

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Hts OH
Liu; Haiying Euclid OH
Elek; Robert A. Chardon OH

US-CL-CURRENT: 324/318; 600/422

Full Title Citation Front Risology Classification Date Reference

Claims 1998C Draw Da

☐ 3. Document ID: US 5602479 A

L59: Entry 3 of 5

File: USPT

Feb 11, 1997

US-PAT-NO: 5602479

DOCUMENT-IDENTIFIER: US 5602479 A

TITLE: Quadrature radio frequency coil for magnetic resonance imaging

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY.

Srinivasan; Ravi Richmond Hts. OH
Liu; Haiying Euclid OH
Elek; Robert A. Chardon OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference

laims 1000C Diaw. D

☐ 4. Document ID: US 5594337 A

L59: Entry 4 of 5

File: USPT

Jan 14, 1997

US-PAT-NO: 5594337

DOCUMENT-IDENTIFIER: US 5594337 A

TITLE: Local coil for magnetic resonance angiography

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Boskamp; Eddy B. Menomonee Falls WI

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference

Claims | 100fC | Draw De

□ 5. Document ID: US 20050099179 A1

L59: Entry 5 of 5 File: DWPI May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

Record List Display Page 3 of 3

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TITLE: Head coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has <u>rods to interconnect</u> large and small diameter <u>rings</u> to form <u>birdcage</u> like structure and <u>partially overlapped primary resonant</u> substructures

ar Generate Collection Print Fwd Refs Bkwd Refs	Generate OA
Term	Documents
BIRDCAGE	879
BIRDCAGES	56
"BIRD CAGE"	0
BIRD-CAGE	210
BIRD-CAGES	13
UNITARY	289698
UNITARIES	6
UNITARYS	3
SINGLE	3662930
SINGLES	3524
(L58 AND (BIRDCAGE OR "BIRD CAGE" OR BIRD-CAGE OR ((UNITARY OR SINGLE) WITH (STRUCTURE)))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	5

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		Search Res	ults - Record(s	s) 1 thro	ugh 2 of 2	returned.			•••••	•••••
1	. Documer	nt ID: US 200	50099179 A1							
Using defa	ult format k	ecause multi	ple data bases	s are in	volved.					
L60: E	ntry 1 of 2	2		File:	PGPB		٠	May	12,	2005
PGPUB-DOC	:UMENT-NUMB	ER: 2005009	9179							

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible <u>birdcage</u> resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME PΑ US Monski, William J. JR. Sewickley US Alradady, Fahad Glenshaw PΑ Allison Park PA US Misic, George J.

US-CL-CURRENT: 324/318

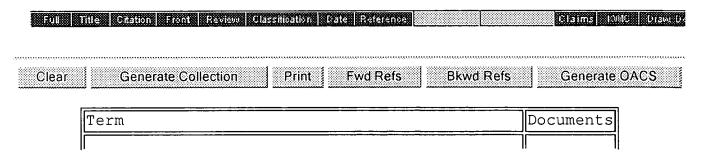
Full Title Citation Front Review (Classification Cate Reference Sequence	es Altachments Glaims 1900 Disc. 0.
		÷
□ 2. Document ID: US 20	050099179 A1	
L60: Entry 2 of 2	File: DWPI	May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

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TITLE: Head coil for use with magnetic resonance imaging and spectroscopy system, has rods to interconnect large and small diameter rings to form birdcage like structure and partially overlapped primary resonant substructures



PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
FIRSTS	952
SECOND	6386113
SECONDS	604573
ADJACENT	3458566
ADJACENTS	285
(L59 AND (((PRIMARY OR SECONDARY OR FIRST OR SECOND) WITH (RESONAN\$2)) WITH (NEIGHBOR\$4 OR "ADJACENT" OR "NEXT" OR "REGION" OR AREA OR VOLUME) WITH (SHAR\$3 OR CONNECT\$4 OR MUTUAL\$2 OR COMMON OR "SAME" OR PARTIAL\$2 OR PORTION) WITH (OVERLAP\$4 OR OVER-LAP\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

There are more results than shown above. Click here to view the entire set.

Display Format: - Change Format

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L58: Entry 1 of 9

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY PΑ Monski, William J. JR. Sewickley US Alradady, Fahad Glenshaw PA US Misic, George J. Allison Park PA US

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 1980 Draw De	

☐ 2. Document ID: US 20040124840 A1

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040124840

PGPUB-FILING-TYPE: new

L58: Entry 2 of 9

DOCUMENT-IDENTIFIER: US 20040124840 A1

TITLE: Antenna arrangement and coupling method for a magnetic resonance apparatus

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Reykowski, Arne Erlangen DE

US-CL-CURRENT: 324/318; 324/307

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 1990 Disco D

☐ 3. Document ID: US 5757189 A

L58: Entry 3 of 9

File: USPT

May 26, 1998

US-PAT-NO: 5757189

DOCUMENT-IDENTIFIER: US 5757189 A

TITLE: Arbitrary placement multimode coil system for MR imaging

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Molyneaux; David A. Mentor OH Braum; William O. Solon OH Kristoff; James W. Lyndhurst OH

US-CL-CURRENT: 324/318; 324/322

FUIL Title Citation Front Review Classification Date Reference Claims KNAC Draw Do

☐ 4. Document ID: US 5680047 A

L58: Entry 4 of 9 File: USPT Oct 21, 1997

US-PAT-NO: 5680047

DOCUMENT-IDENTIFIER: US 5680047 A

TITLE: Multipl-tuned radio frequency coil for simultaneous magnetic resonance

imaging and spectroscopy

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Hts OH
Liu; Haiying Euclid OH
Elek; Robert A. Chardon OH

US-CL-CURRENT: 324/318; 600/422

Full Title Citation Front Review Classification Date Reference Claims RMC Draw De

☐ 5. Document ID: US 5602557 A

L58: Entry 5 of 9 File: USPT Feb 11, 1997

US-PAT-NO: 5602557

DOCUMENT-IDENTIFIER: US 5602557 A

Record List Display Page 3 of 5

TITLE: Mammography antenna arrangement for ${\underline{\sf NMR}}$ examinations of a female breast

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Duerr; Wilhelm DE Erlangen

US-CL-CURRENT: 343/742; 324/318

FOIL	le Citation Front Review Classification Date Keterence Claims KMC Draw Dr
□ 6.	Document ID: US 5602479 A

File: USPT

OH

File: USPT

Feb 11, 1997

Jan 14, 1997

US-PAT-NO: 5602479

L58: Entry 6 of 9

DOCUMENT-IDENTIFIER: US 5602479 A

TITLE: Quadrature radio frequency coil for magnetic resonance imaging

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Hts. Euclid Liu; Haiying OH

ОН Elek; Robert A. Chardon

US-CL-CURRENT: 324/318; 324/322

Foi m	Ita Citation Front Review Classification Date Reference Claims KWR Draw Do	
1 7.	Document ID: US 5594337 A	

US-PAT-NO: 5594337

L58: Entry 7 of 9

DOCUMENT-IDENTIFIER: US 5594337 A

TITLE: Local coil for magnetic resonance angiography

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Boskamp; Eddy B. WI Menomonee Falls

US-CL-CURRENT: 324/318; 324/322

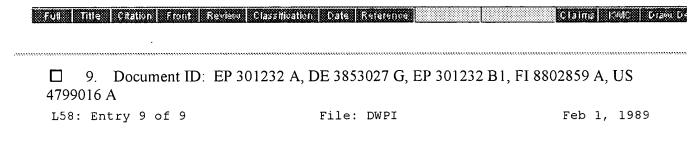
| Title | Coletion | Front | Groupe | Germination | Germanical | Germa

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Head coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has <u>rods to interconnect</u> large and small diameter <u>rings</u> to form birdcage like structure and partially overlapped primary resonant substructures



DERWENT-ACC-NO: 1989-033171

DERWENT-WEEK: 198905

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Dual frequency $\underline{\text{NMR}}$ surface coil - has two cylindrical case coils one tuned to Larmor frequency of phosphorus 31 and one to hydrogen

to harmor frequency or phosphorus of and one to hydrogen

Generate Collection Print Fwd Refs Bkwd Refs	Generate
Term	Documents
RING	2357327
RINGS	661157
LOOP	854637
LOOPS	269514
ANULUS	345
ANULU	3
END	7527236
ENDS	3575264
MEMBER	3807377
MEMBERS	2169110

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"END" OR "MEMBER") WITH (ROD OR LEG OR
CONDUCT\$2 OR
SEGMENT))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.

There are more results than shown above. Click here to view the entire set.

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First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L43: Entry 1 of 3

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME US Monski, William J. JR. Sewickley PΑ Alradady, Fahad Glenshaw PAUS Misic, George J. Allison Park PA US

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Cate Reference Sequences Attachments Clarms (1990) Draw De

☐ 2. Document ID: US 6850064 B1

L43: Entry 2 of 3

File: USPT

Feb 1, 2005

US-PAT-NO: 6850064

DOCUMENT-IDENTIFIER: US 6850064 B1

TITLE: Radio-frequency coil array for resonance imaging analysis

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Cleveland Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Pale Reference Claims MMC Draws U.

☐ 3. Document ID: US 6177797 B1

L43: Entry 3 of 3

File: USPT

Jan 23, 2001

US-PAT-NO: 6177797

DOCUMENT-IDENTIFIER: US 6177797 B1

TITLE: Radio-frequency coil and method for resonance/imaging analysis

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights

ОН

US-CL-CURRENT: 324/318; 324/322

ar Generate Collection Print Fwd Refs Bkwd Refs	Generate OAC
Term	Documents
BIRDCAGE	879
BIRDCAGES	56
"BIRD CAGE"	0
BIRD-CAGE	210
BIRD-CAGES	13
PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
FIRSTS	952
(L42 AND ((BIRDCAGE OR "BIRD CAGE" OR BIRD-CAGE) WITH ((PRIMARY OR SECONDARY OR FIRST OR SECOND) WITH	3

Display Format: -

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First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 12 of 12 returned.

☐ 1. Document ID: US 20050140369 A1

Using default format because multiple data bases are involved.

L44: Entry 1 of 12

File: PGPB

Jun 30, 2005

PGPUB-DOCUMENT-NUMBER: 20050140369

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050140369 A1

TITLE: RF transmitter arrangement for an MR system, and method for determining a

setting parameter therefor

PUBLICATION-DATE: June 30, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Feiweier, Thorsten Poxdorf DE Oppelt, Ralph Uttenreuth DΕ Renz, Wolfgang Erlangen DE Vester, Markus Nurnberg DE

US-CL-CURRENT: 324/318; 324/309, 324/322

Full | Title | Orfation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Graw 64

☐ 2. Document ID: US 20050099179 A1

L44: Entry 2 of 12

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Monski, William J. JR. Sewickley PA US Alradady, Fahad Glenshaw PΑ US Misic, George J. Allison Park PA US

Record List Display Page 2 of 6

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Cate Reference Sequences Affachments Claims DMC Cray. Co.

☐ 3. Document ID: US 20040189304 A1

L44: Entry 3 of 12

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040189304

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040189304 A1

TITLE: NMR PROBE HAVING AN INNER QUADRATURE DETECTION COIL COMBINED WITH A SPIRAL

WOUND OUTER COIL FOR IRRADIATION

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Anderson, Weston Palo Alto CA US
Wong, Wai Ha San Jose CA US

Finnigan, James Santa Clara CA US

US-CL-CURRENT: 324/322; 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RNC Draw De

☐ 4. Document ID: US 6876200 B2

L44: Entry 4 of 12 File: USPT Apr 5, 2005

US-PAT-NO: 6876200

DOCUMENT-IDENTIFIER: US 6876200 B2

TITLE: NMR probe having an inner quadrature detection coil combined with a spiral

wound outer coil for irradiation

DATE-ISSUED: April 5, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Anderson; Weston Palo Alto CA
Wong; Wai Ha San Jose CA
Finnigan; James Santa Clara CA

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference Claims RVIC Draws D.

☐ 5. Document ID: US 6850064 B1

L44: Entry 5 of 12

File: USPT

Feb 1, 2005

US-PAT-NO: 6850064

DOCUMENT-IDENTIFIER: US 6850064 B1

TITLE: Radio-frequency coil array for resonance imaging analysis

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME

CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Cleveland Heights OH

US-CL-CURRENT: 324/318; 324/322

Ful Title Citation Front Review Classification Date Reference Claims KMC Draw Dr

☐ 6. Document ID: US 6420871 B1

L44: Entry 6 of 12

File: USPT

Jul 16, 2002

US-PAT-NO: 6420871

DOCUMENT-IDENTIFIER: US 6420871 B1

TITLE: Multiple tuned birdcage coils

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wong; Wai Ha San Jose CA Unno; Seiji Santa Clara CA Anderson; Weston A. Palo Alto CA

US-CL-CURRENT: 324/318; 324/320, 324/322

Full Title Citation Front Review Classification Date Seference Claims NWC Draw De

☐ 7. Document ID: US 6285189 B1

L44: Entry 7 of 12 File: USPT Sep 4, 2001

US-PAT-NO: 6285189

DOCUMENT-IDENTIFIER: US 6285189 B1

TITLE: Millipede coils

DATE-ISSUED: September 4, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Wong; Wai Ha San Jose

CA

US-CL-CURRENT: 324/318; 324/321, 335/299, 600/422

Full Title Citation Front Review Classification Date Reference

□ 8. Document ID: US 6177797 B1

L44: Entry 8 of 12

File: USPT

Jan 23, 2001

US-PAT-NO: 6177797

DOCUMENT-IDENTIFIER: US 6177797 B1

TITLE: Radio-frequency coil and method for resonance/imaging analysis

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights

OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Cate Reference Claims DWC Draw. Dr.

☐ 9. Document ID: US 6060882 A

L44: Entry 9 of 12

File: USPT

May 9, 2000

US-PAT-NO: 6060882

DOCUMENT-IDENTIFIER: US 6060882 A

TITLE: Low-inductance transverse litz foil coils

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Doty; F. David

Columbia

SC

US-CL-CURRENT: 324/318; 324/319, 324/322, 600/421

FUL Title Chatton Front Review Classification Cate Reference Claims NVC Uraw U.

☐ 10. Document ID: US 5610520 A

L44: Entry 10 of 12

File: USPT

Mar 11, 1997

US-PAT-NO: 5610520

DOCUMENT-IDENTIFIER: US 5610520 A

TITLE: Automatic orthogonality adjustment device for a quadrature surface coil for

magnetic resonance imaging or spectroscopy

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Misic; George J.

Novelty

OH

US-CL-CURRENT: <u>324/318</u>; <u>324/322</u>

Full Title Citation Front Review Classification Date Reference Claims RMC Draw Pr

☐ 11. Document ID: US 5543711 A

L44: Entry 11 of 12

File: USPT

Aug 6, 1996

US-PAT-NO: 5543711

DOCUMENT-IDENTIFIER: US 5543711 A

TITLE: Multiple quadrature volume coils for magnetic resonance imaging

DATE-ISSUED: August 6, 1996

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Srinivasan; Ravi

Richmond Hts.

OH

Elek; Robert A.

Chardon

OH

Liu; Haiying

Euclid

OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Cate Reference

Claims 1,040 Draw De

☐ 12. Document ID: US 20050099179 A1

L44: Entry 12 of 12

File: DWPI

May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

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TITLE: Head coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has rods to interconnect large and small diameter rings to form <u>birdcage</u> like structure and partially <u>overlapped primary resonant</u> substructures

Full Title Citation Front Review Classification Date Reference

Claims 1990 Disector

Term	Documents
BIRDCAGE	879
BIRDCAGES	56
"BIRD CAGE"	0
BIRD-CAGE	210
BIRD-CAGES	13
PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
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Display Format:	-	Change Format

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L47: Entry 1 of 4

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible <u>birdcage</u> resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY
Monski, William J. JR. Sewickley PA US
Alradady, Fahad Glenshaw PA US

Misic, George J. Allison Park PA US

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Cate Reference Sequences Attachments Claims (MAC Draw De

☐ 2. Document ID: US 6850064 B1

L47: Entry 2 of 4 File: USPT Feb 1, 2005

US-PAT-NO: 6850064

DOCUMENT-IDENTIFIER: US 6850064 B1

TITLE: Radio-frequency coil array for resonance imaging analysis

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Cleveland Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Cate Reference Claims Diffic Diam D

☐ 3. Document ID: US 6177797 B1

L47: Entry 3 of 4

File: USPT

Jan 23, 2001

US-PAT-NO: 6177797

DOCUMENT-IDENTIFIER: US 6177797 B1

TITLE: Radio-frequency coil and method for resonance/imaging analysis

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classific	stion Cate Reference	Claims AVAC Craw C.
		•••••
☐ 4. Document ID: US 5610520	A	
L47: Entry 4 of 4	File: USPT	Mar 11, 1997

US-PAT-NO: 5610520

DOCUMENT-IDENTIFIER: US 5610520 A

TITLE: Automatic orthogonality adjustment device for a quadrature surface coil for

magnetic resonance imaging or spectroscopy

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Misic; George J. Novelty OH

US-CL-CURRENT: 324/318; 324/322

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Term	Documents
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ELECTRICAA	33

ELECTRICAAIY -	2
ELECTRICAAL	13
ELECTRICAALY	14
ELECTRICAANL	1
ELECTRICAAV	1
ELECTRICAAX	1
ELECTRICAAY	65
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Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L57: Entry 1 of 10

File: PGPB

May 12, 2005

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Sewickley Monski, William J. JR. PΑ US Alradady, Fahad Glenshaw · PA US Misic, George J. Allison Park . PA US

US-CL-CURRENT: 324/318

E (F)	Title	: Citation Front Review Classification Date Reference Sequences Attachments Daims DMC Draw Da
***************	******	
	2	Document ID: IIS 20040124840 A1

File: PGPB

L 2. Document ID: US 20040124840 A1

PGPUB-DOCUMENT-NUMBER: 20040124840 PGPUB-FILING-TYPE: new

L57: Entry 2 of 10

DOCUMENT-IDENTIFIER: US 20040124840 A1

TITLE: Antenna arrangement and coupling method for a magnetic resonance apparatus

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Reykowski, Arne Erlangen DE

US-CL-CURRENT: 324/318; 324/307

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 1990 Grave De

☐ 3. Document ID: US 6747454 B2

L57: Entry 3 of 10

File: USPT

Jun 8, 2004

US-PAT-NO: 6747454

DOCUMENT-IDENTIFIER: US 6747454 B2

TITLE: Array of coils for use in imaging the vasculature of a patient

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Belt; Kenneth W.

Fort Atkinson

WI

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Cl.	essification Cate Reference	CONTRIBUTE SECRETARION SECONOS CANONAS PARABOLISTOS ANTICOMENTALANA

☐ 4. Document ID: US 5757189 A

L57: Entry 4 of 10

File: USPT

May 26, 1998

US-PAT-NO: 5757189

DOCUMENT-IDENTIFIER: US 5757189 A

TITLE: Arbitrary placement multimode coil system for MR imaging

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Molyneaux; David A. Mentor OH Braum; William O. Solon OH Kristoff; James W. Lyndhurst OH

US-CL-CURRENT: 324/318; 324/322

Füll Title Citation Front Review Classi	lication Cate Reference	Claims (1990) Draw D.
☐ 5. Document ID: US 568004		
L57: Entry 5 of 10	File: USPT	Oct 21, 1997

US-PAT-NO: 5680047

DOCUMENT-IDENTIFIER: US 5680047 A

TITLE: Multipl-tuned radio frequency coil for simultaneous magnetic resonance imaging and spectroscopy

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE COUNTRY

Srinivasan; Ravi

Richmond Hts

OH

Liu; Haiying

Euclid

ОН

Elek; Robert A.

Chardon

ОН

US-CL-CURRENT: 324/318; 600/422

Full Title Citation Front	Review Classification Dat	C RETERON	Claims POIC Diaos Dr

☐ 6. Document ID: US 5602557 A

L57: Entry 6 of 10

File: USPT

Feb 11, 1997

US-PAT-NO: 5602557

DOCUMENT-IDENTIFIER: US 5602557 A

TITLE: Mammography antenna arrangement for ${\underline{\sf NMR}}$ examinations of a female breast

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Duerr; Wilhelm

Erlangen

DE

US-CL-CURRENT: 343/742; 324/318

Full Title Cration Front Review	Classification Date	agerance	Claims KVIC Draw Cr
	**************************************	~~~ ~	

☐ 7. Document ID: US 5602479 A

L57: Entry 7 of 10

File: USPT

Feb 11, 1997

US-PAT-NO: 5602479

DOCUMENT-IDENTIFIER: US 5602479 A

TITLE: Quadrature radio frequency coil for magnetic resonance imaging

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi

Richmond Hts. Euclid

OH ОН

Liu; Haiying Elek; Robert A.

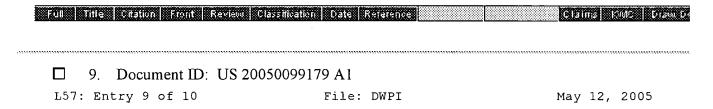
Chardon

ОН

US-CL-CURRENT: <u>324/318</u>; <u>324/322</u>

Full Title Citation Front Review Classification Cate Reference □ 8. Document ID: US 5594337 A L57: Entry 8 of 10 File: USPT Jan 14, 1997 US-PAT-NO: 5594337 DOCUMENT-IDENTIFIER: US 5594337 A TITLE: Local coil for magnetic resonance angiography DATE-ISSUED: January 14, 1997 INVENTOR-INFORMATION: NAME CITY ZIP CODE COUNTRY STATE Boskamp; Eddy B. Menomonee Falls WI

US-CL-CURRENT: 324/318; 324/322

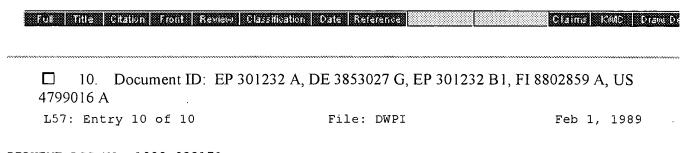


DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

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TITLE: Head coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has <u>rods</u> to interconnect large and small diameter <u>rings</u> to form birdcage like structure and <u>partially overlapped primary resonant</u> substructures

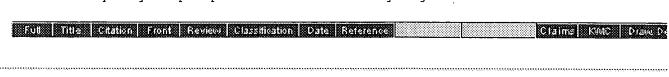


DERWENT-ACC-NO: 1989-033171

DERWENT-WEEK: 198905

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Dual frequency $\underline{\mathsf{NMR}}$ surface coil - has two cylindrical case coils one tuned to Larmor frequency of phosphorus 31 and one to hydrogen



Documents
4884
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Previous Page Next Page Go to Doc#

Full Title Citation Front Review Classification Cate Reference Sequences Attachments Claims DMC Draw. D.

☐ 3. Document ID: US 6850064 B1

L40: Entry 3 of 11

File: USPT

Feb 1, 2005

US-PAT-NO: 6850064

DOCUMENT-IDENTIFIER: US 6850064 B1

TITLE: Radio-frequency coil array for resonance imaging analysis

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Cleveland Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Cate Reference Citation Claims Full Drabe Us

☐ 4. Document ID: US 6714013 B2

L40: Entry 4 of 11

File: USPT

Mar 30, 2004

US-PAT-NO: 6714013

DOCUMENT-IDENTIFIER: US 6714013 B2

** See image for Certificate of Correction **

TITLE: Magnetic resonance imaging receiver/transmitter coils

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Misic; George J. Allison Park PA

US-CL-CURRENT: 324/318; 324/322

FULL TITLE CLESSON FIXER REVENUE CLESSINGSIDE DAIL RESISTANDE COMPANY CLESSON DISCUSSION DISCUSSIONI DISCUSSIONI DISCUSSIONI DISCUSSIONI DISCUSSIONI DISCUSSIONI DISCUSSIONI DI

☐ 5. Document ID: US 6177797 B1

L40: Entry 5 of 11 File: USPT Jan 23, 2001

US-PAT-NO: 6177797

DOCUMENT-IDENTIFIER: US 6177797 B1

TITLE: Radio-frequency coil and method for resonance/imaging analysis

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

EUL IIII: Cletion Front Review Classification Carc Reference Claims Rule Craw.U-

☐ 6. Document ID: US 6150816 A

L40: Entry 6 of 11

File: USPT

Nov 21, 2000

US-PAT-NO: 6150816

DOCUMENT-IDENTIFIER: US 6150816 A

TITLE: Radio-frequency coil array for resonance analysis

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Osts Reference Claims KMC Craw 0.

☐ 7. Document ID: US 5999000 A

L40: Entry 7 of 11

File: USPT

Dec 7, 1999

US-PAT-NO: 5999000

DOCUMENT-IDENTIFIER: US 5999000 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De

□ 8. Document ID: US 5777474 A

L40: Entry 8 of 11

File: USPT

Jul 7, 1998

US-PAT-NO: 5777474

DOCUMENT-IDENTIFIER: US 5777474 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Srinivasan; Ravi Richmond Heights

OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference

Claims KNAC Drayc Da

☐ 9. Document ID: US 5664568 A

L40: Entry 9 of 11

File: USPT

Sep 9, 1997

US-PAT-NO: 5664568

DOCUMENT-IDENTIFIER: US 5664568 A

TITLE: Split-top, neck and head vascular array for magnetic resonance imaging

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME

CITY

Full Title Citation Front Review Classification Date Reference

STATE ZIP CODE

COUNTRY

Srinivasan; Ravi

Richmond Hts.

OH

Henderson; Robert G.

Wickliffe

OH

Elek; Robert A.

Chardon

OH

US-CL-CURRENT: 600/422; 324/318, 324/322

☐ 10. Document ID: US 5602479 A

L40: Entry 10 of 11

File: USPT

Feb 11, 1997

Claims KidC Drave De

US-PAT-NO: 5602479

DOCUMENT-IDENTIFIER: US 5602479 A

TITLE: Quadrature radio frequency coil for magnetic resonance imaging

DATE-ISSUED: February 11, 1997

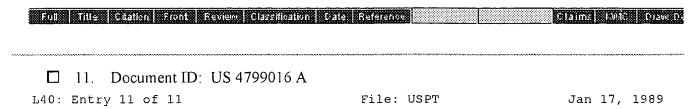
Record List Display Page 5 of 6

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Hts. OH
Liu; Haiying Euclid OH
Elek; Robert A. Chardon OH

US-CL-CURRENT: 324/318; 324/322



US-PAT-NO: 4799016

DOCUMENT-IDENTIFIER: US 4799016 A

TITLE: Dual frequency NMR surface coil

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rezvani; Behrooz Shorewood WI

US-CL-CURRENT: 324/318; 324/322

Generate Collection Print Fwd Refs Bkwo	d Refs Generate O/
Term	Documents
PRIMARY	1829934
PRIM	50679
SECONDARY	1070260
SEC	737393
FIRST	7121062
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DATE: Saturday, December 03, 2005

Hide?	<u>Set</u> Name	Query	<u>Hit</u> Count
	DB=B	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ADJ	
	L76	L64 and (slop\$3 or taper\$3 or ((vary\$3 or vari\$4 or chang\$3 or alter\$3 or different or separate or individual) with (diameter or radius)))	2
	L75	L74 and ((birdcage or "bird cage" or bird-cage or ((unitary or single) with (structure))) with ((primary or secondary or first or second) with (resonan\$2)) with (shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2 or portion) with (overlap\$4 or over-lap\$4))	2
	L74	L64 and (diameter)	5
	L73	L72 and ((connect\$4 or interconnect\$4 or inter-connect\$4 or link\$3 or bridg\$3 or join\$3) with (ring or loop or anulus or anular\$2 or "end" or "member") with (rod or leg or conduct\$2 or segment))	2
	L72	L64 and (((primary or secondary or first or second) with (resonan\$2)) with (ring or loop or anulus or anular\$2 or "end" or "member") with (rod or leg or conduct\$2 or segment))	3
	L71	L67 and (((primary or secondary or first or second) with (resonan\$2)) with (ring or loop or anulus or anular\$2 or "end" or "member") with (rod or leg or conduct\$2 or segment))	2
	L70	L67 and (electric\$4)	3
	L69	L68 and (((primary or secondary or first or second) with (resonan\$2)) with (separat\$4 or parallel or individual\$2 or independent\$2) with (channel or port or receiver))	1
	L68	L67 and ((separat\$4 or parallel or individual\$2 or independent\$2) with (channel or port or receiver))	3
	L67	L66 and ((shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2 or portion) with (overlap\$4 or over-lap\$4))	4
	L66	L65 and (field-of-view or "field of view" or "FOV" or "ROI" or (region with (interest or investigation)))	4
	L65	L64 and ((connect\$4 or interconnect\$4 or inter-connect\$4 or link\$3 or bridg\$3 or join\$3) with (ring or loop or anulus or anular\$2 or "end" or "member") with (rod or leg or conduct\$2 or segment))	4
	L64	L63 and (((primary or secondary or first or second) with (resonan\$2)) with (neighbor\$4 or "adjacent" or "next" or "region" or area or volume) with (shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2 or portion) with (overlap\$4 or over-lap\$4))	10
	L63	L1 and (birdcage or "bird cage" or bird-cage or ((unitary or single) with (structure)))	12198
	L62	L61 and ((connect\$4 or interconnect\$4 or inter-connect\$4 or link\$3 or bridg\$3 or join\$3) with (ring or loop or anulus or anular\$2 or "end" or "member") with	2

	(rod or leg or conduct\$2 or segment))	
 L61	L55 and (((primary or secondary or first or second) with (resonan\$2)) with (neighbor\$4 or "adjacent" or "next" or "region" or area or volume) with (shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2 or portion) with (overlap\$4 or over-lap\$4))	3
L60	L59 and (((primary or secondary or first or second) with (resonan\$2)) with (neighbor\$4 or "adjacent" or "next" or "region" or area or volume) with (shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2 or portion) with (overlap\$4 or over-lap\$4))	2
L59	L58 and (birdcage or "bird cage" or bird-cage or ((unitary or single) with (structure)))	5
L58	L57 and ((connect\$4 or interconnect\$4 or inter-connect\$4 or link\$3 or bridg\$3 or join\$3) with (ring or loop or anulus or anular\$2 or "end" or "member") with (rod or leg or conduct\$2 or segment))	9
L57	L56 and (field-of-view or "field of view" or "FOV" or "ROI" or (region with (interest or investigation)))	10
L56	L55 and ((neighbor\$4 or "adjacent" or "next" or "region" or area or volume) with (overlap\$4 or over-lap\$4))	14
L55	L54 and ((shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2 or portion) with (overlap\$4 or over-lap\$4))	17
L54	L53 and (((primary or secondary or first or second) with (resonan\$2)) with (ring or loop or anulus or anular\$2 or "end" or "member") with (rod or leg or conduct\$2 or segment))	175
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L50	L49 and (ring or loop or anulus or anular\$2)	3292
L49	L1 and ((primary or secondary or first or second) with (resonan\$2))	7935
L48	L47 and (unitary)	0
L47	L46 and (electric\$4)	4
L46	L45 and (field-of-view or "field of view" or "FOV" or "ROI" or (region with (interest or investigation)))	5
L45	L44 and ((shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2 or portion) with (overlap\$4 or over-lap\$4))	11
L44	L24 and ((birdcage or "bird cage" or bird-cage) with ((primary or secondary or first or second) with (resonan\$2)))	12
L43	L42 and ((birdcage or "bird cage" or bird-cage) with ((primary or secondary or first or second) with (resonan\$2)))	3
L42	L41 and (ring or loop or anulus or anular\$2)	10
L41	L40 and (rod or leg or conduct\$2 or segment)	10
L40	L39 and ((primary or secondary or first or second) with (resonan\$2))	11
L39	L38 and (electric\$4)	15
	L37 and ((shar\$3 or connect\$4 or mutual\$2 or common or "same" or partial\$2	

L38	or portion) with (overlap\$4 or over-lap\$4))	17
L37	L36 and (shar\$3 or connect\$4 or mutual\$2 or common or "same")	18
L36	L35 and (head or neck or skull or brain or cranium)	
L35	L34 and ((neurovascular\$2 or neuro-vascular\$2 or neck or anterior or posterior or spine or cervical or back) with (coil or array))	21
L34	l25 and (field-of-view or "field of view" or "FOV" or "ROI" or (region with (interest or investigation)))	51
L33	127 and (monski.in.)	1
L32	125 and (monski.in.)	2
L31	l24 and (monski.in.)	5
L30	L29 and ((neurovascular\$2 or neuro-vascular\$2 or neck or anterior or posterior or spine or cervical or back) with (coil or array))	14
L29	L28 and (head or neck or skull or brain or cranium)	23
L28	L27 and (field-of-view or "field of view" or "FOV" or "ROI" or (region with (interest or investigation)))	32
L27	L26 and ((shar\$3 or connect\$4 or mutual\$2 or common or "same") with (overlap\$4 or over-lap\$4))	62
L26	L25 and (shar\$3 or connect\$4 or mutual\$2 or common or "same")	97
L25	L24 and ((neighbor\$4 or "adjacent" or "next" or "region" or area or volume) with (overlap\$4 or over-lap\$4))	99
L24	L2 and (overlap\$4 or over-lap\$4)	202
L23	L7 and (slop\$3 or taper\$3 or ((vary\$3 or vari\$4 or chang\$3 or alter\$3 or different or separate or individual) with (diameter or radius)))	4
L22	L20 and (slop\$3 or taper\$3 or ((vary\$3 or vari\$4 or chang\$3 or alter\$3 or different or separate or individual) with (diameter or radius)))	1
L21	L20 and (slop\$3 or taper\$3 or ((vary\$3 or vari\$4 or chang\$3 or alter\$3) with (diameter or radius)))	1
L20	L19 and (field-of-view or "field of view" or "FOV" or "ROI" or (region with (interest or investigation)))	11
L19	L18 and (parallel or separat\$3 or independent\$2)	11
L18	L14 and (channel)	11
L17	L16 and (channel)	8
L16	L14 and (parallel)	10
L15	L14 and ((parallel with (imag\$3 or resonan\$3)) or "PI")	7
L14	L13 and ((neighbor\$4 or "adjacent" or "next") with (overlap\$4 or over-lap\$4))	14
L13	L12 and (neighbor\$4 or "adjacent" or "next")	57
L12	L11 and (ring or loop or anulus or anular\$2 or rod or conduct\$2 or leg or segment\$3)	73
L11	L10 and (diameter or taper\$4)	76
L10	L9 and (resonan\$2)	113
L9	L8 and (head or neck or skull or brain or cranium)	114
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L8	L2 and (overlap\$4 or over-lap\$4)	202
L7	L6 and (ellipsoid\$4 or ellipse or eliptical\$3 or elliptical\$3)	5
L6	L5 and (diameter or taper\$4)	11
L5	L4 and (overlap\$4 or over-lap\$4)	13
L4	L3 and (head or neck or skull or brain or cranium)	37
L3	L2 and (dome or domed or (spherical with resonator) or end-cap\$4)	39
L2	L1 and (birdcage or "bird cage" or bird-cage)	761
Ll	((magnetic adj resonance) or MRI or NMR)	216254

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 2 of 2 returned.

□ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L32: Entry 1 of 2

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Monski, William J. JR. Sewickley PA US Alradady, Fahad US Glenshaw PΑ Allison Park US Misic, George J. PA

US-CL-CURRENT: 324/318

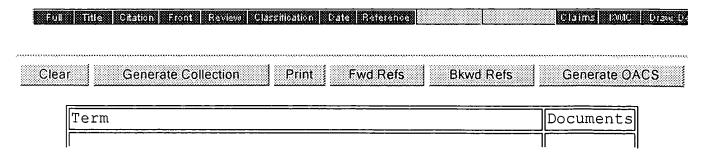
Full Title Citation Front Review	Classification Date Reference Seque	nces Attachments Claims NVMC Crew D.
☐ 2. Document ID: US 2	20050099179 A1	
L32: Entry 2 of 2	File: DWPI	May 12, 2005

DERWENT-ACC-NO: 2005-394254

DERWENT-WEEK: 200540

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Head coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has rods to interconnect large and small diameter rings to form <u>birdcage</u> like structure and partially <u>overlapped</u> primary resonant substructures



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(L25 AND (MONSKI.IN.)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

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Hit List

Generate Collection Fwd Refs First Hit Clear Print Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 17 of 17 returned.

☐ 1. Document ID: US 20050107686 A1

Using default format because multiple data bases are involved.

L38: Entry 1 of 17

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050107686

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050107686 A1

TITLE: RF array coil system and method for magnetic resonance imaging

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Chan, Pei H. Aurora OH US US Petropoulos, Labros Burton ОН

US-CL-CURRENT: 600/422

Full Title Station	Front Review Classification	ences Attachments Claims k	MAC Draw De

□ 2. Document ID: US 20050099179 A1

L38: Entry 2 of 17 File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Monski, William J. JR. Sewickley US PΑ Alradady, Fahad Glenshaw PAUS Misic, George J. Allison Park US PA

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Cate Reference Sequences Attachments Claims NMC Draw, De

☐ 3. Document ID: US 20040183534 A1

L38: Entry 3 of 17

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040183534

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040183534 A1

TITLE: Diagonal-arranged quadrature MRI radio frequency array coil system for three

dimensional parallel imaging

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Chan, Pei Hsuon Aurora OH US Zou, Mark Xueming Mantua OH US

US-CL-CURRENT: 324/318; 324/309

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Do

☐ 4. Document ID: US 6930480 B1

L38: Entry 4 of 17

File: USPT

Aug 16, 2005

US-PAT-NO: 6930480

DOCUMENT-IDENTIFIER: US 6930480 B1

TITLE: Head coil arrays for parallel imaging in magnetic resonance imaging

DATE-ISSUED: August 16, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Fujita; Hiroyuki Highland Heights ОН Petropoulos; Labros S. Solon ОН Zou; Mark Xueming Aurora ОН Chan; Pei H. Aurora OH Chu; Dashen Hudson ОН Murphy-Boesch; Joseph ОН Aurora

US-CL-CURRENT: 324/318; 324/309

Full Title Citation Front Review Classification Cate Reference Stains With Crack Co.

Record List Display Page 3 of 8

☐ 5. Document ID: US 6850064 B1

L38: Entry 5 of 17 File: USPT Feb 1, 2005

US-PAT-NO: 6850064

DOCUMENT-IDENTIFIER: US 6850064 B1

TITLE: Radio-frequency coil array for resonance imaging analysis

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Cleveland Heights OH

US-CL-CURRENT: 324/318; 324/322

FUB Title Citation Front Review Classification Date Reference Claims KNAC Previous

☐ 6. Document ID: US 6714013 B2

L38: Entry 6 of 17 File: USPT Mar 30, 2004

US-PAT-NO: 6714013

DOCUMENT-IDENTIFIER: US 6714013 B2

** See image for <u>Certificate of Correction</u> **

TITLE: Magnetic resonance imaging receiver/transmitter coils

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Misic; George J. Allison Park PA

US-CL-CURRENT: 324/318; 324/322

FULL TIME CALLED FOR REVIEW CLEENING DESCRIPTION OF RESIDENCE.

☐ 7. Document ID: US 6608480 B1

L38: Entry 7 of 17 File: USPT Aug 19, 2003

US-PAT-NO: 6608480

DOCUMENT-IDENTIFIER: US 6608480 B1

TITLE: RF coil for homogeneous quadrature transmit and multiple channel receive

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

Record List Display Page 4 of 8

WI

NAME

CITY

STATE ZIP CODE

COUNTRY

Weyers; Daniel J.

Wauwatosa

Full Title Citation Front Review Classification Cate Reference

Claims (WIC Draw D

□ 8. Document ID: US 6177797 B1

L38: Entry 8 of 17

File: USPT

Jan 23, 2001

US-PAT-NO: 6177797

DOCUMENT-IDENTIFIER: US 6177797 B1

US-CL-CURRENT: 324/318; 324/322

TITLE: Radio-frequency coil and method for resonance/imaging analysis

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference Claims Duit Disorbi

☐ 9. Document ID: US 6150816 A

L38: Entry 9 of 17 File: USPT Nov 21, 2000

US-PAT-NO: 6150816

DOCUMENT-IDENTIFIER: US 6150816 A

TITLE: Radio-frequency coil array for resonance analysis

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

☐ 10. Document ID: US 5999000 A

L38: Entry 10 of 17 File: USPT Dec 7, 1999

Record List Display Page 5 of 8

US-PAT-NO: 5999000

DOCUMENT-IDENTIFIER: US 5999000 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

□ 11. Document ID: US 5777474 A

File: USPT

Jul 7, 1998

US-PAT-NO: 5777474

DOCUMENT-IDENTIFIER: US 5777474 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

DATE-ISSUED: July 7, 1998

L38: Entry 11 of 17

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Tille Clation Front Review Classification Cate Reference

12. Document ID: US 5682098 A

L38: Entry 12 of 17

Oct 28, 1997

US-PAT-NO: 5682098

DOCUMENT-IDENTIFIER: US 5682098 A

TITLE: Open quadrature whole volume imaging $\underline{\mathsf{NMR}}$ surface coil array including three

figure-8 shaped surface coils

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Vij; Kamal Phoenix AZ

Record List Display Page 6 of 8

US-CL-CURRENT: 324/318

FUL Title Citation front Review Classification Cate Retrience Calendary Claims DMC Crew Cr

☐ 13. Document ID: US 5664568 A

L38: Entry 13 of 17

File: USPT

Sep 9, 1997

US-PAT-NO: 5664568

DOCUMENT-IDENTIFIER: US 5664568 A

TITLE: Split-top, neck and head vascular array for magnetic resonance imaging

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Srinivasan; Ravi

Elek; Robert A.

Richmond Hts.

ОН

Henderson; Robert G.

Wickliffe Chardon

ОН OH

US-CL-CURRENT: 600/422; 324/318, 324/322

Full Title Citation Front Review Classification Cate Reference

Claims DDAC Crew.Co

☐ 14. Document ID: US 5602479 A

L38: Entry 14 of 17

File: USPT

Feb 11, 1997

US-PAT-NO: 5602479

DOCUMENT-IDENTIFIER: US 5602479 A

TITLE: Quadrature radio frequency coil for magnetic resonance imaging

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Srinivasan; Ravi

Elek; Robert A.

Richmond Hts.

OH

Liu; Haiying

Euclid Chardon OH ОН

US-CL-CURRENT: <u>324/318</u>; <u>324/322</u>

Full Title Citation Front Review Classification Cate Reference

Glaims Diff. Disw D.

☐ 15. Document ID: US 5374890 A

L38: Entry 15 of 17

File: USPT

Dec 20, 1994

Record List Display Page 7 of 8

US-PAT-NO: 5374890

DOCUMENT-IDENTIFIER: US 5374890 A

TITLE: Simultaneous magnetic resonance imaging of multiple human organs

DATE-ISSUED: December 20, 1994

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Zou; Xueming Chesterland OH
Patrick; John L. Chagrin Falls OH
McNally; James M. Chagrin Falls OH

US-CL-CURRENT: 324/318; 324/309



☐ 16. Document ID: US 4799016 A

L38: Entry 16 of 17 File: USPT Jan 17, 1989

US-PAT-NO: 4799016

DOCUMENT-IDENTIFIER: US 4799016 A

TITLE: Dual frequency NMR surface coil

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rezvani; Behrooz Shorewood WI

US-CL-CURRENT: 324/318; 324/322

Foll Title Citation Front Review Classification Cate Reference Lains NMC Crew C

File: DWPI

May 12, 2005

L 17. Document ID. 00 20030033173 111

<u>-</u>

DERWENT-ACC-NO: 2005-394254

L38: Entry 17 of 17

DERWENT-WEEK: 200540

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: <u>Head</u> coil for use with <u>magnetic resonance</u> imaging and spectroscopy system, has rods to interconnect large and small diameter rings to form <u>birdcage</u> like structure and partially overlapped primary resonant substructures

Full Title Citation Front Review Classification Cate Reference Claims (VIII) Uraw D

Clear

Term	Documents
COMMON	2196077
COMMONS	1577
"SAME"	7024504
SAMES	1059
PORTION	5905298
PORTIONS	3123412
SHAR\$3	0
SHAR	10776
SHARA	502
SHARABA	2
(L37 AND ((SHAR\$3 OR CONNECT\$4 OR MUTUAL\$2 OR COMMON OR "SAME" OR PARTIAL\$2 OR PORTION) WITH (OVERLAP\$4 OR OVER- LAP\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	17

Display Format:	-	Change Format

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Hit List

First Hit Clear Generate Collection Fwd Refs **Bkwd Refs** Print Generate OACS

Search Results - Record(s) 1 through 15 of 15 returned.

☐ 1. Document ID: US 20050107686 A1

Using default format because multiple data bases are involved.

L39: Entry 1 of 15

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050107686

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050107686 A1

TITLE: RF array coil system and method for magnetic resonance imaging

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

CITY COUNTRY NAME STATE

Chan, Pei H. Aurora OH US Petropoulos, Labros Burton OH US

US-CL-CURRENT: 600/422

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 2. Document ID: US 20050099179 A1

L39: Entry 2 of 15 File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Monski, William J. JR. Sewickley PΑ US Alradady, Fahad Glenshaw PA US Misic, George J. Allison Park PΑ US

US-CL-CURRENT: 324/318

Record List Display Page 2 of 7

Full Title Citation Front Review Classification Cate Reference Sequences Attachments Claims LVMC Draw De

☐ 3. Document ID: US 20040183534 A1

L39: Entry 3 of 15

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040183534

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040183534 A1

TITLE: Diagonal-arranged quadrature MRI radio frequency array coil system for three

dimensional parallel imaging

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Chan, Pei Hsuon Aurora OH US Zou, Mark Xueming Mantua OH US

US-CL-CURRENT: 324/318; 324/309

Full Title Citation Front Review Classification Data Reference Sequences Attachments Claims KMC Draw De

☐ 4. Document ID: US 6930480 B1

L39: Entry 4 of 15 File: USPT

Aug 16, 2005

US-PAT-NO: 6930480

DOCUMENT-IDENTIFIER: US 6930480 B1

TITLE: Head coil arrays for parallel imaging in magnetic resonance imaging

DATE-ISSUED: August 16, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Highland Heights Fujita; Hiroyuki OH Petropoulos; Labros S. Solon OH Zou; Mark Xueming Aurora OH Chan; Pei H. Aurora OH Chu; Dashen Hudson OH Murphy-Boesch; Joseph Aurora OH

US-CL-CURRENT: 324/318; 324/309

Full Title Citation Front Review Classification Cale Reference | Claims Color Color

☐ 5. Document ID: US 6850064 B1

L39: Entry 5 of 15

File: USPT

Feb 1, 2005

US-PAT-NO: 6850064

DOCUMENT-IDENTIFIER: US 6850064 B1

TITLE: Radio-frequency coil array for resonance imaging analysis

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Cleveland Heights

OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference Claims KidC Draw Da

☐ 6. Document ID: US 6714013 B2

L39: Entry 6 of 15

File: USPT

Mar 30, 2004

US-PAT-NO: 6714013

DOCUMENT-IDENTIFIER: US 6714013 B2

** See image for Certificate of Correction **

TITLE: Magnetic resonance imaging receiver/transmitter coils

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Misic; George J.

Allison Park

PΑ

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Date Reference Claims Kilde Drawe De

7. Document ID: US 6608480 B1

L39: Entry 7 of 15

File: USPT

Aug 19, 2003

US-PAT-NO: 6608480

DOCUMENT-IDENTIFIER: US 6608480 B1

TITLE: RF coil for homogeneous quadrature transmit and multiple channel receive

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Weyers; Daniel J.

Wauwatosa

WI

US-CL-CURRENT: 324/318; 324/322

EUI Tile Chation Front Region Classification Cate Reference

Claims 13010 Uraw Ur

□ 8. Document ID: US 6177797 B1

L39: Entry 8 of 15

. File: USPT

Jan 23, 2001

US-PAT-NO: 6177797

DOCUMENT-IDENTIFIER: US 6177797 B1

TITLE: Radio-frequency coil and method for resonance/imaging analysis

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Srinivasan; Ravi

Richmond Heights

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US-CL-CURRENT: 324/318; 324/322

☐ 9. Document ID: US 6150816 A

L39: Entry 9 of 15

File: USPT

Nov 21, 2000

US-PAT-NO: 6150816

DOCUMENT-IDENTIFIER: US 6150816 A

TITLE: Radio-frequency coil array for resonance analysis

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE

COUNTRY

Sriniyasan; Ravi Richmond Heights

OH

US-CL-CURRENT: 324/318; 324/322

FUR TIME Challon From Review Classification Date Reference

Claiπis PodC DiamiD4

☐ 10. Document ID: US 5999000 A

L39: Entry 10 of 15

File: USPT

Dec 7, 1999

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US-PAT-NO: 5999000

DOCUMENT-IDENTIFIER: US 5999000 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

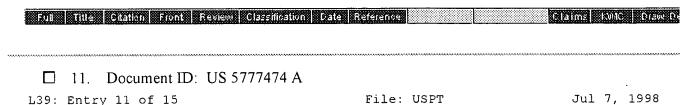
DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322



US-PAT-NO: 5777474

DOCUMENT-IDENTIFIER: US 5777474 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Srinivasan; Ravi Richmond Heights OH

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classifin	ation Cate Reference	Elaims (WAC Disve C-
☐ 12. Document ID: US 5682098	•	
L39: Entry 12 of 15	File: USPT	Oct 28, 1997

US-PAT-NO: 5682098

DOCUMENT-IDENTIFIER: US 5682098 A

TITLE: Open quadrature whole volume imaging $\underline{\mathsf{NMR}}$ surface coil array including three

figure-8 shaped surface coils

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Vij; Kamal Phoenix AZ

US-CL-CURRENT: 324/318

Full Title Chation Front Review Classification Cate Reference Vialins Color Classification

☐ 13. Document ID: US 5664568 A

L39: Entry 13 of 15

File: USPT

Sep 9, 1997

US-PAT-NO: 5664568

DOCUMENT-IDENTIFIER: US 5664568 A

TITLE: Split-top, neck and head vascular array for magnetic resonance imaging

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Srinivasan; Ravi

Richmond Hts. Wickliffe

ОН OH

Henderson; Robert G. Elek; Robert A.

Chardon

OH

US-CL-CURRENT: 600/422; 324/318, 324/322

Full Title Chatton Front Review Classification Cate Reference Claims Folic Craw Co

☐ 14. Document ID: US 5602479 A

L39: Entry 14 of 15

File: USPT

Feb 11, 1997

US-PAT-NO: 5602479

DOCUMENT-IDENTIFIER: US 5602479 A

TITLE: Quadrature radio frequency coil for magnetic resonance imaging

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME

STATE ZIP CODE COUNTRY

Srinivasan; Ravi

Richmond Hts.

ОН OH

Liu; Haiying Elek; Robert A.

Euclid Chardon

ОН

US-CL-CURRENT: 324/318; 324/322

Full Title Citation Front Review Classification Cale Reference

☐ 15. Document ID: US 4799016 A

L39: Entry 15 of 15

File: USPT

Jan 17, 1989

US-PAT-NO: 4799016

DOCUMENT-IDENTIFIER: US 4799016 A

TITLE: Dual frequency NMR surface coil

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Rezvani; Behrooz

Shorewood

WI

US-CL-CURRENT: 324/318; 324/322

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☐ 1. Document ID: US 20050099179 A1

Using default format because multiple data bases are involved.

L40: Entry 1 of 11

File: PGPB

May 12, 2005

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20050099179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050099179 A1

TITLE: Parallel imaging compatible birdcage resonator

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME US Monski, William J. JR. Sewickley PAAlradady, Fahad Glenshaw PΑ US Misic, George J. Allison Park PA US

US-CL-CURRENT: 324/318

L40: Entry 2 of 11

Full Title Citation Front Review Classification	Cate Reference Sequences	Attachments Claims 1990 Drave 0-

File: PGPB

☐ 2. Document ID: US 20040183534 A1

PGPUB-DOCUMENT-NUMBER: 20040183534 PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040183534 A1

TITLE: Diagonal-arranged quadrature $\underline{\texttt{MRI}}$ radio frequency array coil system for three

dimensional parallel imaging

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Chan, Pei Hsuon Aurora OH US

Zou, Mark Xueming Mantua OH US

US-CL-CURRENT: <u>324/318</u>; <u>324/309</u>